



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month. Its at 6:30PM at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh.



PUBLIC SERVICE EVENTS

Interested in helping? Visit <http://www.rars.org/public-service.php>

frequently for our 2017 ham public service schedule.

RARS General Meeting

Topic: Writing for QST and Arduino CW trainer

By Tom Lewis N4TL

Date: January 10, 2017

Time: Meeting at 7:30 p.m.

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

[Click here for more information.](#)

RARS President's Message

It's that time of year again when we resolve to change and improve ourselves for the coming year. I'm not one to make a lot of New Year's resolutions due to the fact that they usually don't last more than a few days. Hopefully everyone had a Merry Christmas and got to spend time with friends and family, perhaps with a few new pieces of ham gear under the tree.

Many thanks to Virginia, NC4VA, Courtney, KI4HOS, and the volunteer correspondents who made this year's version of the Tacky Tinsel Tour possible. The three sites offered for votes this year did sound pretty impressive. Thanks also to those

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RARS Officers

PRESIDENT

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VICE PRESIDENT

Tom Lewis
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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: Second Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

RARS Repeaters in Raleigh

146.64-, 444.525+ (82.5) and

145.13- (82.5), (82.5 is the tone freq)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS website click here. <http://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit www.rars.org for more information.

President's Message continued

who participated in the net and voted for their favorites.

The longtime tradition of Straight Key Night was continued on New Year's Eve. Hopefully some of you were able to participate this year.

As RARS embarks on the new year, business will continue as usual. Classes are in the works for all three license classes. If you are ready for that upgrade or know someone who is looking for that Technician license, stay tuned to the RARS website for information on the class dates.

As usual, the presentation schedule for the monthly meetings is fast filling up. There are a lot of very interesting topics from some very interesting speakers on tap for this year. If you have a suggestion for a meeting presentation please contact Vice President Tom, N4TL.

As usual, thanks to all of you for your continued support of RARS. Club support comes in many forms. Whether your area of support is through meeting attendance, RARSfest, Public Service events, net participation, VE testing, or one of many other areas, thank you for helping to make RARS the largest and one of the most active clubs in the state or region.

73 and Happy New Year, Dennis
NC4DK

RARS Birthdays

Grady	AJ4YA	01/01
Bob	N4GEB	01/01
Ken	KK4YAF	01/01
Howard	KI4GNB	01/03
Barry	KK4NUN	01/03
John	WB4DDK	01/04
Chuck	K4HF	01/04
Jerry	KE4TTS	01/04
Joe	KM4WRQ	01/06
John	N4YRD	01/08
Beth	KF4QMR	01/09
Richard	N1FUA	01/09
Jim	N4CAE	01/09
Paul	KE4TMN	01/10
Dan	WY3O	01/11
Bill	KI4BKF	01/15
Marko	KM4ZBT	01/16
Dave	N4CVV	01/19
Marc	W4MPS	01/19
Ashby	KB5ZIH	01/20
Tom	KG4EDY	01/21
Jim	KM4DCJ	01/25
Peggy	KM4SCN	01/26
Henry	AE4MX	01/27
Emily	KM4RNF	01/28
Alan	AB4OZ	01/30
Cyndi	KD4ACW	01/30
Tom	K2UCU	01/31

Future Hamfests

A full list of Hamfests can be found at the [ARRL website](#).

01/14/2017 | [Winston-Salem Firstfest](#)

Location: Winston-Salem, NC

Sponsor: Forsyth Amateur Radio Club

Website: http://www.w4nc.com/ws_classic_hamfest_2016.htm

02/04/2017 | [Virginia State Convention \(FrostFest\)](#)

Location: Richmond, VA

Sponsor: Richmond Amateur Telecommunications Society

Website: <http://www.Frostfest.com>

03/10/2017 | [Charlotte Hamfest](#)

Location: Concord, NC

Sponsor: Mecklenburg Amateur Radio Society

Website: <http://www.charlottehamfest.org>

04/15/2017 | [Roanoke Division Convention \(Raleigh Hamfest\)](#)

Location: Raleigh, NC

Type: ARRL Convention

Sponsor: Raleigh Amateur Radio Society

Website: <http://rars.org/rarsfest>

New Members

Jim Prichard	KM4ZTM
Mike Helms	KM4ZXH

December 13 RARS Pot Luck Holiday Party



Everyone helping their selves the food



Charles WA4OSS and Sheila KE4CDS



Kim And Marty W4MY



Mary Jo K4MJL and Jan (N4TL XYL)



Cheryl WA1WEY, Raymond NC4OO
and Dennis NC4DK



Carl W8WZ and Albert N4AGG



Equipment that was for sale



Tom N4TL RARS VP and
Dennis NC4DK RARS President



Chuck K4HF doing the Installation of Officers for 2017: All of the newly elected Officers present were officially installed; the rest were installed in absentia.

From left to right

RARS Food Service Chair – Bill Mars, AK4BL

RARS NC QSO Party Chair & RARS Field Day Chair – Marty Young, W4MY

FM Repeater Chair – Karl Bowman, W4CHX

At-Large Director – Raymond Lefrancois, NC4OO



Gary Pearce KN4AQ giving an amazing rendition of "a Visit from St Nick" for the Good HAMs on his list.

December 13 RARS meeting door prize winners



Alan AB4OZ, Cheryl WA1WEY, Cindi KD4ACW, Sheila KE4CDS,
Joe KM4WRQ, Charles WB4DCM, Dave K4SAN and Rick KB4RZ



The February presentation given by Tiia, KM4CMQ
will be "Ham Radio and small UAVs".

The New Hams meeting

December's new ham meeting was about antenna tuning with SWR and other measurement devices and about home-made antennas. We talked about 1/4 wave ground planes, dipoles, yagis. The new hams got a chance to solder up a home-made ground plane, and to make measurements with a Daiwa dual needle SWR meter, a Bird 43 directional watt-meter, a field-strength meter, and an MFJ226 antenna analyzer. We used Yaesu VX-8DR and Kenwood TH-F6A handy-talkie radios to test with. Those are the favorite handy-talkies of the several of us who run the new-ham meetings. Donna and Joseph, KM4WRP and KM4WRQ cut, soldered, and tuned a 1/4 wave 2m ground plane. Dick, KM4YLH worked with Fin on his yagi and hopefully got some chance to make measurements.

Billy, KE4VNC, Fin NC4FG, and I (Tadd KA2DEW) brought in test equipment and tools. Fin built a trivial yet robust and adjustable wooden 2-element yagi on the afternoon of the meeting so he could demonstrate how easy the antennas were to build and to give us an antenna to analyze and tune. We trimmed his yagi, set the reflector distance, and measured its pattern using a field strength meter. Yep, it was directional! Very good job.

73 Tadd, KA2DEW



Donna and Joseph, KM4WRP and KM4WRQ



Test Equipment

Continued on the next page

Photos by Tom, N4TL

The New Hams meeting Continued



Fin NC4FG, and his adjustable wooden 2-element yagi



From Left to right standing: Mike KB7NLA, ??, Fin NC4FG, Dick KM4YLH,
Joe KM4WRQ, Billy KE4VNC

Sitting: Mark KM4PFO, Donna KM4WRP, and Tadd KA2DEW

The New Hams meeting Continued

New HAM / Elmer meeting,

6:00 p.m. before the member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

The New Hams meeting is held every month before the regular RARs meeting. We'll try to start by 6pm. We try to address topics in a manner that will be of help to hams in their first year of operation.

Tadd / KA2DEW

tadd@mac.com

Raleigh NC FM05pv



Future RARS Presentations

1/10/2017	Writing for QST & Arduino CW Trainer	Tom Lewis, N4TL
2/14/2017	Ham Radio and small UAVs (Drones)	Tiia, KM4CMQ
3/14/2017	Awards, RARS Birthday Party (2/12/69) & RARSfest Update	RARSfest chair

Tacky Tinsel Tour Net 2016

Jingling bells and excitement kicked off the 2016 Tacky Tinsel Tour Net on Wednesday, December 21, 2016 at 8pm on the RARS 146.64 repeater. Co-hosted by Courtney Enzor KI4HOS and Virginia Enzor NC4VA, this annual net featured descriptions of some to the best holiday light displays in the Triangle!

After a record number of 32 check-ins, RARS member Justin Pinnix AJ4MJ read Gary Pearce's "A Ham's Night Before Christmas."

Next, TTT Correspondent Jack Baker K4WFJ, on site at Castle Comb Drive in Rolesville, presented his selection, "Winter Wonderland," an intricate, computer-controlled light and music display.



TTT correspondent Cassie Lilley W2YBN then shared her aptly named entry, “Brightest Bulb on the Block,” at Driftwood Drive and Bayfield Drive in Raleigh. It was a true Southern beauty in traditional white lights.



The third entry was described by Courtney Enzor KI4HOS at Creek Park Drive off Morrisville Parkway in Morrisville as “Niagara Lights.” This house showcased over 100 multi-strand lights attached to the house that were then launched up 50+ feet into the trees. The owner used a fishing pole to get the lights in the trees, much like a ham might use a fishing rod and line to pull up an antenna. It was a show stopper!



Net check-ins voted on the best holiday display and the winner was “Niagara Lights.”

Rob Cox N4MN and son, Dallin Cox KM4RTL, provided the opportunity for busy North Pole resident Santa Claus to make a brief appearance on the net! Santa disclosed what good ham radio operators and crotchety ham operators might expect under the tree.

“For those new hams who have been good little operators, the elves are packing up dual band handheld 2m/440 radios for you all. The elves seem to like the Kenwood TH-D72A. This is the one with the dual-band receiver and has built-in GPS that can be used for APRS. If you have been extra good operators, you’ll also find a replacement antenna for your rubber ducky in your stocking.

“For those hams that have been around for a while – and you know who you are – we have a few options. Santa knows that some of you old men (and old women – although not so much) can be pretty crotchety sometimes. The elves have shown me some of your comments in the QRZ forums, and they aren’t very nice. Sometimes this even comes across over the air. For you the elves are putting together some small gifts because they didn’t want to just leave coal in your stocking. These “bad ham” gifts will include a length of ground wire that is 2 feet shorter than you need it to be, a box of only black power pole connectors, a cross-needle swr/wattmeter that has only one needle and only reads reflected power, and a variable power supply that randomly varies the output voltage every few seconds. This is truly a “variable” power supply. There may be some other small items in your stocking, like broken crimpers or a soldering iron that won’t get up to temperature, but these are the main items.”

Santa’s humorous remarks surely had everyone wanting to be a good operator!

We especially want to thank all the net participants for making this holiday net one of our best ever!

Virginia Enzor NC4VA
Tacky Tinsel Tour Net Co-host/Creator

Announcing the 2017 Novice Rig Roundup Operating Event

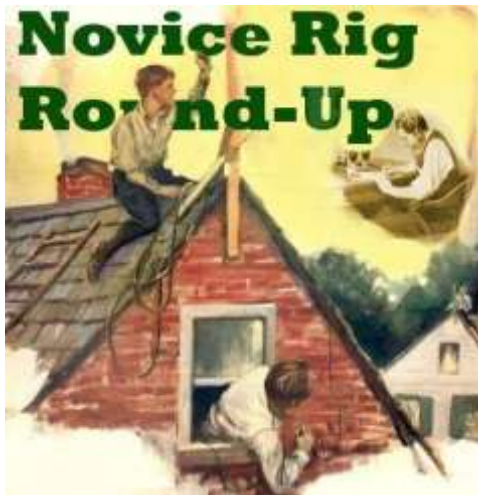
Novice Rig Roundup (NRR) is an operating event designed to encourage use of novice-era transmitters and receivers. While it is more of an operating event than a contest, log submission and scoring is encouraged. Any radio may be used and bonus points are given for novice era rigs. The first prize for the 2017 NRR is a brand new Viz Key.

DATES: 0000 UTC on February 18 through 000 UTC on February 27

EXCHANGE: RST, NAME, QTH, RIG, (X) XTAL or (V) VFO, POWER OUT

Frequency: Operate CW anywhere that it is legal for your license class. USE OF NOVICE ERA Frequencies suggested where possible. USE: 3550-3650 (closest we can get now!) and 7100-7125 kHz Plus 21.100 - 21.200 MHz and 28.100 MHz - 28.200 MHz For more information and to submit a log visit

www.novicerigroundup.com



73 Carl Davis, W8WZ

A Few Useful Ham Websites.

www.qrz.com

New hams may not know about the www.qrz.com website. It is an online callbook. You can enter a callsign and if it's in the database the ham's name and address will be shown. You can look up your own call to see if it's correct. You can also add text to the listing to tell about yourself. I like it when Hams put their picture on it. I can see what someone I spoke to looks like. It is also handy if you work someone in another part of the world and want to find out how to obtain a QSL card. I recently worked GW3YDX on 160 meters. He says in qrz that he does not collect QSL cards and gives information on how to get a card from him without sending one.

www.eham.com

Is another handy site. This one has reviews of ham software, radios, antennas and other ham items. It's interesting to read what other hams think of something before buying one yourself. They also have classified advertisements. You can list equipment for sale there.

www.clublog.org

Is another useful website. Club Log is an online database with a suite of powerful tools supporting active DXers.

www.sherweng.com/table.html

Sherwood Engineering tests Ham radio equipment and posts the test results on their website.

www.rars.org

Our club's website.

If you know of others please send them to your editor and I will put them in a future Exciter.

73 Tom N4TL



US States online Quiz

How well do you know where the US states are?

Try this graphical quiz and see how you do.

<http://jimspages.com/States.htm>

Thanks to Bill Marx, W2CQ, for posting it to the SFDXA reflector.

Cycles per second: A historical perspective

Read about the change from cycles per second to Hertz in EDN magazine at this URL.

<http://www.edn.com/electronics-blogs/all-things-measured/4443043/Cycles-per-second--a-historical-perspective>

ThumbNet's N3 Software defined receiver

This email was sent to RARS by the author. Your editor reduced the length of it. I left in the parts that maybe of interest to some members. The cost of the SDR Dongle is found in the ThumbNet store in the lower left of their webpage.

My name is Wade VanLandingham and I manage a non-profit organization called ThumbNet. (<http://www.thumbsat.com/thumbnet>) To quote part of our own page: ThumbNet was born to encourage students around the world to look up at the stars and to give them a chance to feel that they are part of something larger. The hardware to track and monitor radio signals from satellites in orbit is donated to the schools by ThumbNet, and with over 240 volunteer groups in more than 72 countries, we're having an immediate and positive effect on the lives of hundreds of students around the globe!

ThumbNet's N3 SDR receiver is unique in its design and it is competitive in cost with the majority of the SDR dongles on Amazon or eBay. We design and produce updates of the receiver to meet the needs of the ThumbNet network, (This is the 3rd generation.) but due to minimum order quantities from the manufacturer, we end up with several hundred more than we need each time we do so. In order to not have thousands of SDR radios laying around, I try to offer them to others that share our education efforts (like Girl Scouts) or simply may have an interest in working with them (like HAM clubs). The small proceeds that remain go right back into the project to support its continued outreach and growth, and not into someone's retirement fund. Go to <http://www.thumbsat.com/thumbnet> and <http://www.nongles.com> to learn more. Reviews are also beginning to appear on various SDR blogs such as <http://www.rtl-sdr.com>.

*Wade VanLandingham
W4VNO*

Raleigh Amateur Radio Society
Board of Directors Meeting Minutes
November 15 , 2016

Revision 1, 23 November 2016

The Board of Directors of the Raleigh Amateur Radio Society met Tuesday, 15 November, 2016, at Ridge Road Baptist Church.

President Dennis NC4DK called the meeting to order at 7:05 p.m.

Present: Dennis NC4DK, Tom N4TL, Joanne AA3N, Bill AK4BL, Chuck K4HF, Karl W4CHX, Raymond NC4OO, Marty W4MY, Joe WA4GIR, Hank K4HM, Murray K4MHM and Bob NC1X which did represent a quorum, and guest Alan AB4OZ.

The minutes of the September 20, 2016, and October 18, 2016 Board of Directors meetings were approved as corrected by the Board.

Vice President: Tom N4TL reminds all that the deadline for the Exciter is December 3rd. Please submit articles to Tom before then. He has the presentation schedule for next year and will publish same in the Exciter.

The church wants the meeting room to be left as shown on the chart on a clipboard on the wall. This will be published in the next Exciter.

The RFI problem at K4BYN's QTH has been solved without official action by the club.

Treasurer: Greg KE4PAX. (By e-mail) Current membership is 324 including 13 Life or Honorary members. This is 136 less than last year. Senior members make half the membership. 50-50 raffles were discussed, including 501c3 implications, without decision. The item on the report "RARS Youth Education Fund" was discussed and agreed that it pertained to the "Dick Bitner Benevolent Fund" and should be so named. Anyone who did not receive Greg's Report may inquire of the Secretary for additional details.

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Secretary: Bob NC1X - The secretary has not received any additional information about Larry Young, K4LXV. The secretary will be absent from the December 13 membership meeting; Raymond NC4OO will substitute.

Directors' Reports:

Public Service – John AI4RT submitted a report, which was read by NC4DK, on 2016 Public Service activities, including hours, participants, and value to the community.

Education – Murray K4MHM: We need to publicize future courses. He is referring questions to the instructors.

PIO – Charles via Dennis NC4DK: We think we have a final version of the club brochure. Murray had a few other changes.

Bill AK4BL reminded the Board that he and Joanne AA3N are swapping functions. He will do food service and Joanne will be an at-large director.

Scouting – Murray K4MHM: Murray, Charles Good, Dave Price, and Karl W4CHX went to the University of Scouting which had 325 scouts attending, as well as scouts. Several scouts expressed interest in our courses. Next year we should do more.

FM Repeater Chair (Karl W4CHX): Hardline has been ordered for the 145.13 repeater. Karl and Chuck W3WZN are investigating additional repeater locations in Raleigh.

Food Service – Joanne AA3N: The Board expressed its appreciation to Joanne for her time as Food service Chair.

ARRL liaison (Chuck K4HF): No Report

ARRL NC Section Manager - Karl W4CHX: – Congress is back in session. HR1301 has been sent to the US Senate for voting. The ARRL has asked all Members to use the Rally Congress Tool on the ARRL Website to send messages to Senators Burr and Tillis to ask for their support for the bill when it is voted upon. Tom Lewis N4TL will be recognized at

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the Benson (JARSfest) meeting on November 20th for the ARRL QST Cover Plaque Award he received for his recent article, "Arduino CW Trainer".

Webmaster - Hank K4HM: His new RARSfest photo application is on the website. He is getting requests for updates to the repeater lists. People need to tell Hank if repeaters change so he can get the information into the website. He has put a real time visitor list on the website. He requested the board members update their job descriptions. Hank recommended that all members be alert to any changes to their Yahoo data that may occur when Verizon buys Yahoo.

RARSfest Chair – Ian N4IAN: not present. 2017 RARSfest is April 15. The next planning meeting is January 23. Karl W4CHX participated in a discussion of possible ARRL speakers for RARSfest.

Field Day: Marty W4MY. Marty presented the new Field day location at the Police Club in Knightdale. It is closer to the city than the Carroll farm and has a meeting room, a commercial kitchen, a parking lot, and real bathrooms. The rental is comparable to what we spent to have the Carroll farm mowed before prior Field Days. Marty is discussing a joint field day with the Cary club. The date has been reserved.

North Carolina QSO Party - Marty W4MY: Plans move forward. It will be February 26 (Sunday) for NC, and February 25 (Saturday) for SC. It has been agreed that all clubs can have multi stations. We'll have a combined "Worked all Counties" award for NC/SC.

Nominating Committee Report: Chuck K4HF is still looking for an Education Director and a Youth Director.

Old Business:

Brochure - The RARS Brochure needs a few more minor changes suggested by Murray and Karl.

Patches – Murray K4MHM reports that with the original vendor 100 patches would cost \$351. With the shirt vendor, 100 would cost \$417. A third vendor, JTM Promos, has a patch with bizarre geography, but it looks like our original patch. Their response time was

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the best. Their price is \$341. A motion to accept the JTM Promos vendor was made seconded and approved. Murray will check to see if the map logo can be improved.

New Business:

A discussion followed on the format of the Exciter, which is laid out as if it were to be printed. But some read it on line where it is choppy due to paging. It was the sense of the board that anyone clever enough to read it on their smartphone could figure out the current format.

The provisions of the Dick Bitner Benevolent fund were discussed. Joe WA4GIR recommended that the Board clarify the provisions providing funding of youth exam sessions. He also recommended that the fund cover license exams at any location where there are RARS VE team sessions. It was moved that the text read as follows: "The fund pays for one Technician exam, per eligible examinee, per lifetime." The motion was seconded and approved.

A discussion of "Last call" ceremonies on Nets for newly Silent Keys ensued. It was the sense of the board that this subject needs more discussion, and should have input from the Net Manager, Mary Holtschneider, KF4OQA.

The "ARES" agenda item has been postponed until the next meeting of the Board. This is Old Business that comes from the April 19 meeting pertaining to a page on the RARS website regarding emergency response preparation and participation. Murray was to revise the wording.

The next Board Meeting will be Tuesday, December 20, at 7:00 p.m. at the church. It was agreed that the President could cancel the Board meeting if there were no pressing matter.

The meeting was adjourned by President Dennis NC4DK at 9:25 p.m.

Respectfully Submitted,
Robert E Chapman, NC1X
RARS Secretary

MINUTES
Raleigh Amateur Radio Society
General Membership Meeting
December 13, 2016

The meeting was called to order by President Dennis NC4DK at 7:23 p.m.

There were 34 members present which constituted a quorum

The minutes of the November meeting were approved as published in the Exciter.

Vice President's report: The January meeting will have a presentation on writing for QST & Arduino CW Trainer.

Treasurer's report: Greg KE4PAX, sent an e-mail report. The Society presently has 338 members of which 13 are life/honorary. Any one desiring Treasury information may contact Greg or Dennis NC4DK for details.

Announcements:

The monthly RARS Dinner will be the first Tuesday, January 3rd, 2017 at 6:30 p.m. at the Golden Corral on Glenwood Ave.

The RARS board meeting will be the third Tuesday, December 20th, 2016 at 7:00 p.m. in the church. Members are invited to attend. (The December board meeting is subject to cancellation by the club president.)

Today's after meeting gathering has been cancelled due to lack of interest. (See program below)

Committee Chairs:

Public Service: No report

Education: No report

Field Day: Marty W4MY gave a slide show documenting our new venue for 2017. Field Day will be held on the Raleigh Police Club property located at 3500 Leonard Road, Knightdale, NC. There are eight or ten acres mostly open and well-kept with some fine tall trees just right for dipoles. Arrangements have already been made for catering of the Saturday lunch – but the big news is “indoor plumb-

Continued on the next page

ing” with real porcelain fixtures. This announcement was met with applause. Dates are June 24-25, 2017.

FM Repeater: no report.

At-large directors: No reports

New Hams: A two meter ground plane antenna was described and SWR testing demonstrated.

Guests: There were no guests registered.

Installation of Officers for 2017: All of the newly elected Officers present were officially installed; the rest were installed in absentia. See photos published in the next Exciter.

Door prizes were won by Charles WB4DCM, Patrick KE4CBS, George KD4ECW, Joe KM4WRQ, David K4SAN, Rick KB4RZ, Cheryl WA1WEY, and finally Alan AB4OZ. Prizes included gift cards, RARS anniversary mugs, and a variety of gift boxes.

Gary Pearce KN4AQ gave an amazing rendition of "a Visit from St Nick" for the Good HAMs on his list.

The evening’s program was the annual Pot Luck Christmas Buffet which this year weighed down four tables with a selection of delectable delights – which were just about all gone at the meeting’s end.

Dennis NC4DK adjourned the meeting at 8:45 pm.

Respectfully submitted,

Raymond Lefrancois, NC4OO (for
Robert E. Chapman, NC1X
RARS Secretary)

RARS Classified

ICOM 746 (non-Pro) for sale in excellent condition with CW filters

Posted December 30th, 2016 by: N4TL

Contact: n4tl2@yahoo.com

ICOM 746 (non-Pro) for sale in excellent condition. SN 6844. No mods or problems. ICOM HM-36 microphone, manual, power cord, and box are included. There are three optional filters installed in the radio. They are the FL-100, 500 Hz; FL-52A, 500HZ; and a FL-223, 1.9 KHz filter. These three filters are available on eBay for \$55, \$125 and \$87, total \$267. I am the second owner, the original owner was N4GM (SK) who only operated on CW. Both of us are nonsmokers. I have not used it in a while so I used it to check in a net on 75 meters. I had to use the built in tuner on 75 meters. The radio and tuner works fine. I will also include a CD that a friend gave me. It has the instruction and service manuals. It also has a program that will let you edit the CW memories from an attached computer. I have not used the program but I assume it will work. \$550.00. N4TL, Raleigh NC.

WTB CW/SSB Audio Filter

Posted December 20th, 2016 by: W4NPN

Contact: fbW4NPN@gmail.com

WTB an inexpensive CW/SSB audio filter like Autec QF-1 or QF-1A or similar. Must be in good to excellent condition and work properly. Please contact me by email. Location Chapel Hill 27516.

ICOM 756PRO II for sale

Posted December 2nd, 2016 by: W4YDY

Contact: w4ydydave@suddenlink.net

For Sale: Icom IC-756PROII including switching 30A power supply with cable, instruction book. No mic. Like new. Used as my backup radio. \$890. Org price about 3K.

Tar Heel Scanner/SWL SIG group

The Tar Heel Scanner/SWL SIG group met on December 19th at Red Hot and Blue restaurant on Falls of Neuse Road in Raleigh. Ten people attended.

This month was our annual Junk Box Giveaway and Magazine Swap. People brought in their unused electronics and unwanted radio related magazines. Names were drawn and we took turns going to the "junk table" and selecting an item or items that we want. It was a lot of fun and there was plenty of good junk given away!

At the January meeting, Doug Hall, K4DSP, from JPS Communications will be giving a presentation about his work at JPS and about its products. Doug is the designer of several JPS products including the NIR-10 and the AND-7 ham add-on products of the 1990s.

Meetings are held on the third Monday of each month. We meet at 6:30 for dinner and the meeting begins at 7:30 and ends at 9:00. For more information and announcements about the upcoming meetings, see the Tar Heel Scanner / SWL SIG Yahoo group (<https://groups.yahoo.com/groups/tarheelscanner>).

73, Kelly AE4FG



January - February 2017 Classic Exchange "CX".

CX is a no-pressure on air contest celebrating the older commercial and homebrew equipment that was the pride and joy of ham shacks decades ago.

The objective of CX is to encourage restoration, operation and enjoyment of this older Classic ham gear.

However, you need not operate a Classic rig to participate in CX. You may use any rig in the CX although new gear is at a distinct scoring disadvantage. You can still work the "great ones" with modern equipment and enjoy the sounds of yesteryear.

The CW CX will run from 1400 UTC January 29 to 0800 UTC January 30, 2017
(9 AM Eastern Time on Sunday to 3 AM Eastern Time Monday)

AND

From 1400 UTC January 31 to 0800 UTC February, 1, 2017
(9 AM Eastern Time on Tuesday to 3 AM Eastern Time Wednesday)

Send: "CQ CX"

The PHONE CX will run from 1400 UTC February 19 to 0800 UTC February 20, 2017.
(9 AM Eastern Time on Sunday to 3 AM Eastern Time Monday)

AND

From 1400 UTC February 21 to 0800 UTC February 22, 2017
(9 AM Eastern Time on Tuesday to 3 AM Eastern Time Wednesday)

Call: "CQ Classic Exchange"

Full details are on the CX website www.classicexchange.org

Tune in and enjoy the "good old days."

Mac WQ8U Hillsborough, NC

